

PCV - Series 5400 Centerline Closure Control Pinch Valve

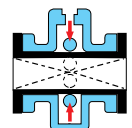


- Heavy-duty valve design - actuator closes on centerline.
- No packing to maintain, ever.
- Accurate, repeatable control.
- Ideal for corrosive and abrasive slurries.
- True feedback positioning.
- Bi-directional, drop-tight shutoff.

Red Valve's Series 5400 Control Pinch Valve features centerline closure and true feedback positioning. The compact size delivers accurate, repeatable variable venturi flow control.

Centerline closure is extremely important for larger size pinch sleeves on abrasive and high velocity applications. Centerline closure outlasts all other types of gate, plug or ball valves on control of abrasive and corrosive slurries. The resilient elastomer sleeve outlasts even cobalt chromium alloy-coated control valves.

Cone Sleeves can be specified to further enhance control performance and match the exact Cv level desired. True feedback positioning is accomplished through the direct linkage of the pneumatic positioner to the valve stem shaft. The benefits of true feedback positioning include accurate small responsive signal changes to the positioner causing similar changes in true valve position, greatly enhancing control accuracy and repeatability.



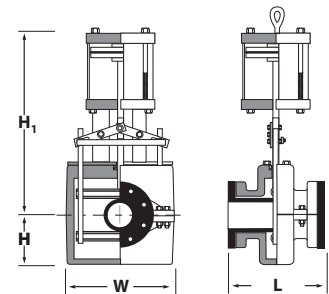
Closing Action

Materials of Construction

- **Body:** Ductile iron
- **Sleeves:** Pure Gum Rubber, Ethylene Propylene Diene Terpolymer (EPDM)*, Acrylonitrile-Butadiene (NBR), Fluoroelastomer (FKM)*, Chloroprene (CR)*, Chlorosulfonated Polyethylene (CSM), Chloro-Isobutylene-Isoprene (CIIR).
- * - White food grade options available.
- **Drilled and tapped flanges:** ASME 150, ASME B16.1 125 cast flanges, AWWA C110 125 flanges, EN1092 PN 6, EN1092 PN 10, EN1092 PN 16, JIS 5K, JIS 10K. Other drill patterns available upon request.

SERIES 5400

VALVE SIZE	DIMENSIONS in/mm				WORKING PRESSURE** psi/kPa	WEIGHT ATO/ATC lbs/kg
	LENGTH L	WIDTH W	HEIGHT			
			H	ATO/ATC H1*		
4.00" 100mm	9.00 229	10.50 267	5.75 146	26.50 673	150 1030	210 95
5.00" 125mm	10.00 254	15.38 391	8.50 216	32.00 813	150 1030	250 113
6.00" 150mm	10.50 267	18.25 464	7.88 200	32.13 816	150 1030	288 131
8.00" 200mm	16.00 406	23.25 591	9.13 232	32.50 826	125 860	385 175
10.00" 250mm	20.00 508	29.75 756	10.50 267	43.00 1092	100 690	520 236
12.00" 300mm	24.00 610	35.00 889	11.50 292	46.00 1168	100 690	709 322
14.00" 350mm	28.00 711	37.50 953	14.50 368	51.75 1314	75 520	1200 544
16.00" 400mm	32.00 813	41.50 1054	15.50 394	56.50 1435	50 350	1600 726
18.00" 450mm	36.00 914	51.00 1295	17.00 432	59.50 1511	50 350	2000 907
20.00" 500mm	40.00 1016	47.75 1213	17.75 451	62.75 1594	50 350	2450 1111
24.00" 600mm	48.00 1219	57.00 1448	25.50 648	***69.00 1753	50 350	4200 1905
30.00" 750mm	60.00 1524	78.00 1981	20.50 521	***74.00 1880	50 350	8300 3765
36.00" 900mm	72.00 1829	77.00 1956	32.00 813	***96.00 2438	50 350	14,300 6486
42.00" 1050mm	84.00 2134	92.00 2337	36.00 914	***124.00 3150	50 350	28,500 12,927
48.00" 1200mm	96.00 2438	108.00 2743	41.00 1041	***136.00 3454	50 350	42,500 19,278
54.00" 1400mm	108.00 2743	120.00 3048	48.00 1219	***148.00 3759	50 350	60,000 27,216



*Consult factory for specific heights and weights of fail-close or fail-open valves.

**Higher working pressures available.

***Hydraulic or electric only.

For larger sizes up to 72", consult factory.